

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 March 2004 (04.03.2004)

PCT

(10) International Publication Number
WO 2004/017727 A1

(51) International Patent Classification⁷: **A01K 67/00**,
C12N 15/09, 15/63, A61K 38/19, 48/00, 39/395, A61P
29/00

(AU). METCALF, Donald [AU/AU]; 268 Union Street,
Balwyn, Victoria 3103 (AU).

(21) International Application Number:
PCT/AU2003/001078

(74) Agents: HUGHES, E., John, L. et al.; Davies Collison
Cave, 1 Little Collins Street, Melbourne, Victoria 3000
(AU).

(22) International Filing Date: 22 August 2003 (22.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2002950957 23 August 2002 (23.08.2002) AU
2002951071 29 August 2002 (29.08.2002) AU

(71) Applicant (for all designated States except US): THE
WALTER AND ELIZA HALL INSTITUTE OF MED-
ICAL RESEARCH [AU/AU]; Royal Parade, Parkville,
Victoria 3050 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LAWLOR**,
Kathryn, Elizabeth [AU/AU]; 59 Market Street, Kensing-
ton, Victoria 3031 (AU). **WICKS, Ian, Peter** [AU/AU];
72 Mount Street, Kew, Victoria 3101 (AU). **CAMPBELL**,
Ian, Keith [AU/AU]; 4 Larter Court, Wantirna South,
Victoria 3152 (AU). **ROBERTS, Andrew, Warwick**
[AU/AU]; 160 Highfield Road, Camberwell, Victoria 3124

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: A METHOD OF TREATMENT AND PROPHYLAXIS

(57) **Abstract:** The present invention relates generally to a method for treating or preventing or otherwise ameliorating the effects of inflammatory conditions such as but not limited to chronic immune-mediated inflammatory diseases. The present invention further provides pharmaceutical compositions comprising agents which inhibit one or more inflammatory cytokines and/or which down-regulate expression of genes which encode inflammatory cytokines. Such compositions are useful in the treatment and prophylaxis of inflammatory conditions such as inflammatory arthritis amongst other chronic immune-mediated inflammatory diseases. The present invention further provides an animal model for studying the kinetics of and/or screening for agents useful in the treatment or prophylaxis of inflammatory conditions.

WO 2004/017727 A1